

**P-3C AIRCRAFT COCKPIT FAMILIARIZATION TRAINER, DEVICE 2C23A****TRAINING CATEGORY:**

AVIATION (Cockpit Checkout Procedures)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2C23A is unclassified.

INTENDED USE:

To be used at the training site to supplement the information provided by the NATOPS Flight Manual for P-3C aircraft. The 2C23A device is to be used in a training program designed to teach and maintain a pre-established level of proficiency of the flight crew members with the cockpit of the P-3C aircraft.

To familiarize flight crew trainees with the cockpit arrangement of the P-3C aircraft. This includes the location and identification of all controls, indicators, and annunciators.

FUNCTIONAL DESCRIPTION:

Device 2C23A is a synthesized trainer consisting of a semi-enclosed mockup of a P-3C aircraft cockpit, an electrical load center, and a base platform which supports both the electrical load center and the cockpit.

The mockup duplicates the interior of the aircraft to the extent that the trainee encounters all the restricting dimensions and obstacles of the actual aircraft cockpit. All simulated controls, indicators, and annunciators are accurately placed, thus duplicating the corresponding locations in the aircraft. Additional space is provided on the base platform to accommodate the instructor and the observers.

PHYSICAL INFORMATION:

An assembled Device 2C23A requires an area 10' wide and 10' deep. Minimum acceptable height for this area is 7-1/2 feet. When disassembled, the individual sections will pass through a doorway 32" wide by 81" high.

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ENVIRONMENTAL CHARACTERISTICS:

Ventilation: Adequate for personnel comfort.

Air Condition: Sufficient to overcome any conditions of which the ventilation system is inadequate to perform.

INSTALLATION AREA:

See Physical Information. Additional space is required for assembly, disassembly and access to the device.

POWER REQUIREMENTS:

115 VAC, 60 Hz, 3-wire, 1-phase, 0.3 kw

PUBLICATIONS FURNISHED:

Instructor's Guide for P-3C Cockpit Familiarization Trainer, Device 2C23A, NAVTRADEV P-3661 (U).

REFERENCE PUBLICATIONS (NOT SUPPLIED):

NATOPS Flight Manual for P-3C Aircraft, NAVAIR 01-75PAA1.

PERSONNEL:

Instructors: One (1), currently qualified to describe and identify the location and function of all relevant cockpit instruments, indicators, annunciators, controls and equipments.

Trainees: Three (3), (pilot, co-pilot, and flight engineer).

Observers: Two (2), to observe the training situation and to become familiar with the configuration and capabilities of the trainer and the P-3C aircraft.

Maintenance Men: One (1), technician (2 manhours per 40-hr utilization week).

RELATED TRAINING DEVICES:

Device 2C19 T-2A Aircraft Cockpit Orientation Trainer.

Device 2C36 TA-4F Cockpit Aircraft Orientation Trainer.

CONTRACT IDENTIFICATION:

Manufactured by Hydrosystems Inc., Farmingdale, NY under NAVTRASYSCEN Contract No. N61339-69-C-0218.

LOCAL STOCK NUMBER:

6930-LL-C00-0760